

Parameter	Default value	Range of modelled values
Landslide depth (m)	2	0.5–5.0
Catchment area (km ²)	23 000	–
Percent of catchment impacted by landsliding	0.5	–
Catchment-averaged surface production rate (atoms g ⁻¹ yr ⁻¹)	35	–
Background erosion rate (mm yr ⁻¹)	0.5	0.2–2.0
Landslide surface production rate (atoms g ⁻¹ yr ⁻¹)	35	10–60
Proportion of event sediment mixed into fluvial network (%)	100	3–20